

ABSTRACT

A controller (101) designates whether images are integrated or not and image placement mode when integration is implemented. An image integrator (102) creates image data in a format designated by the presence/absence of integration and placement mode. A 3D information generator (103) generates 3D information necessary for 3D image display by formatting the presence/absence of integration and the placement mode. An encoder (104) encodes the image data created by image integrator (102) and generates coded data. A multiplexer (105) converts the encoded data generated by encoder (104) and the 3D information created by the 3D information generator into a predetermined format and outputs the result to the outside. This arrangement enables image data for 3D display to be versatile.